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## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

 (Currently Amended) A pharmaceutical preparation for sustained-release of an active pharmaceutical ingredient after parenteral administration comprising:

a multiplicity of coated microparticles, said coated microparticles <u>having a mean</u> dimension of less than 1mm and comprising

- (a) core particles comprising said active pharmaceutical ingredient; and
- (b) a first polymeric coating on said core particles formed from a first polymer-forming solution;

wherein said active pharmaceutical ingredient forms a saturated solution within said coated microparticles after said administration; and

wherein said first polymeric coating is permeable to said active pharmaceutical ingredient during a sustained-release period from administration of said microparticles until the concentration of said active pharmaceutical ingredient contained within said microparticles is unsaturated; and

wherein said first polymeric coating maintains structure integrity during said sustained-release period.

- (Original) The pharmaceutical preparation of claim 1, wherein diffusion of said
  active pharmaceutical ingredient across said first polymeric coating exhibits pseudo-zero-order
  kinetics during said sustained-release period.
- (Original) The pharmaceutical preparation of claim 1, wherein said first polymeric coating is substantially degraded after said sustained-release period.

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 (Original) The pharmaceutical preparation of claim 1, wherein said first polymeric coating maintains structural integrity during said sustained-release period.

- (Original) The pharmaceutical preparation of claim 1, wherein said microparticles are administrable via parenteral injection.
- (Original) The pharmaceutical preparation of claim 5, wherein said microparticles have a maximum dimension between 20 m and 800 m.
- (Original) The pharmaceutical preparation of claim 5, wherein said microparticles have a maximum dimension between 40 m and 400 m.
- (Original) The pharmaceutical preparation of claim 5, wherein said microparticles have a maximum dimension between 100 m and 250 m.
- (Original) The pharmaceutical preparation of claim 1, wherein said active pharmaceutical ingredient is substantially insoluble in said first polymer-forming solution.
- (Original) The pharmaceutical preparation of claim 1, wherein said active pharmaceutical ingredient is hydrophobic and said first polymer-forming solution is hydrophilic.
- (Original) The pharmaceutical preparation of claim 1, wherein said active
   pharmaceutical ingredient is hydrophilic and said first polymer-forming solution is hydrophobic.
  - 12. (Original) The pharmaceutical preparation of claim 1, further comprising:
- (c) a second polymeric coating on said first polymeric coating, wherein said second polymeric coating is formed from a second polymer-forming solution;

wherein said second polymeric coating is permeable to said active pharmaceutical ingredient during said sustained-release period.

13. (Original) The pharmaceutical preparation of claim 1, further comprising:

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(c) a porous second polymeric coating on said first polymeric coating, wherein said second polymeric coating is formed from a second polymer-forming solution;

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wherein said second polymeric coating defines pore regions which permit fluid communication between a pore portion of said first polymeric coating and an external environment, thereby allowing diffusion of said active pharmaceutical ingredient across said first polymeric coating in said pore regions; and

wherein said second polymeric coating defines non-pore regions which prevent fluid communication between a non-pore portion of said first polymeric coating and an external environment, thereby inhibiting diffusion of said active pharmaceutical ingredient across said first polymeric coating in said non-pore regions.

- (Original) The pharmaceutical preparation of claim 13, wherein said second polymeric coating is substantially impermeable to said active pharmaceutical ingredient in said non-pore regions.
- 15. (Original) The pharmaceutical preparation of claim 13, wherein said second polymer-forming solution comprises pore-forming agents which dissolve to produce said pore regions after formation of said second polymeric coating.
- 16. (Original) The pharmaceutical preparation of claim 1, wherein said first polymeric coating comprises a polymer or co-polymer including at least one monomer selected from the group consisting of sugar phosphates, alkylcellulose, hydroxyalkylcelluloses, lactic acid, glycolic acid, -propiolactone, -butyrolactone, -butyrolactone, pivalolactone, -hydroxy butyric acid, -hydroxyethyl butyric acid, -hydroxy isovaleric acid, -hydroxy-methyl valeric acid, -hydroxy caproic acid, -hydroxy isocaproic acid, -hydroxy heptanic acid, -hydroxy octanic acid, -hydroxy decanoic acid, -hydroxy myristic acid, -hydroxy stearic acid, -hydroxy lignoceric acid, -phenol lactic acid and polyvinyl alcohol.
- (Original) The pharmaceutical preparation of claim 12 or 13, wherein said second polymeric coating comprises a polymer or co-polymer including at least one monomer selected

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from the group consisting of sugar phosphates, alkylcellulose, hydroxyalkylcelluloses, lactic acid, glycolic acid, -propiolactone, -butyrolactone, -butyrolactone, pivalolactone, -hydroxy butyric acid, -hydroxy isovaleric acid, -hydroxy-methyl valeric acid, -hydroxy caproic acid, -hydroxy isovaleric acid, -hydroxy octanic acid, -hydroxy decanoic acid, -hydroxy myristic acid, -hydroxy stearic acid, -hydroxy lignoceric acid, -phenol lactic acid and polyvinyl alcohol.

 (Original) The pharmaceutical preparation of claim 1, wherein said first polymeric coating is applied to said core particles by an air suspension technique.

- (Original) The pharmaceutical preparation of claim 1, wherein said first polymeric coating is applied to said core particles by a dip coating technique.
- (Original) The pharmaceutical preparation of claim 1, wherein the weight of said first polymeric coating is between 0.1% and 200% of the weight of said core particle.
- (Original) The pharmaceutical preparation of claim 1, wherein the weight of said first polymeric coating is between 2% and 60% of the weight of said core particle.
- (Original) The pharmaceutical preparation of claim 1, wherein the volume of said first polymeric coating is between 0.1% and 200% of the volume of said core particle.
- (Original) The pharmaceutical preparation of claim 1, wherein the volume of said first polymeric coating is between 2% and 60% of the volume of said core particle.
- 24. (Currently amended) A method of sustained-release administration of an active pharmaceutical ingredient comprising administering parenterally a pharmaceutical preparation of claim 1 in the form of a suspension of said coated microparticles in a pharmaceutically acceptable carrier.
  - (Canceled).

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 (Original) The method of claim 24, wherein said parenteral administration is selected from the group consisting of subcutaneous, intravenous, intramuscular and intraocular injection.

- 27. 50. (Canceled).
- 51. (New) A pharmaceutical preparation for sustained-release of an active pharmaceutical ingredient after parenteral administration comprising:

a multiplicity of coated microparticles, said coated microparticles having a mean dimension of less than 1mm and comprising

- (a) core particles comprising said active pharmaceutical ingredient; and
- (b) a first polymeric coating on said core particles formed from a first polymer forming solution;

wherein said active pharmaceutical ingredient forms a saturated solution within said coated microparticles after said administration;

wherein said first polymeric coating is permeable to said active pharmaceutical ingredient during a sustained-release period from administration of said microparticles until the concentration of said active pharmaceutical ingredient contained within said microparticles is unsaturated; and

wherein said first polymeric coating is water permeable.

52. (New) A pharmaceutical preparation for sustained-release of an active pharmaceutical ingredient after parenteral administration comprising:

a multiplicity of coated microparticles, said coated microparticles having a mean dimension of less than 1mm and comprising

- (a) core particles comprising said active pharmaceutical ingredient; and
- (b) a first polymeric coating on said core particles formed from a first polymer forming solution;

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wherein said active pharmaceutical ingredient forms a saturated solution within said coated microparticles after said administration;

wherein said first polymeric coating is permeable to said active pharmaceutical ingredient during a sustained-release period from administration of said microparticles until the concentration of said active pharmaceutical ingredient contained within said microparticles is unsaturated; and

wherein the weight of the first polymeric coating is between 0.1% and 200% of the weight of the core particle.

53. (New) A pharmaceutical preparation for sustained-release of an active pharmaceutical ingredient after parenteral administration comprising:

a multiplicity of coated microparticles, said coated microparticles having a mean dimension of less than 1mm and comprising

- (a) core particles comprising said active pharmaceutical ingredient; and
- (b) a first polymeric coating on said core particles formed from a first polymer forming solution;

wherein said active pharmaceutical ingredient forms a saturated solution within said coated microparticles after said administration:

wherein said first polymeric coating is permeable to said active pharmaceutical ingredient during a sustained-release period from administration of said microparticles until the concentration of said active pharmaceutical ingredient contained within said microparticles is unsaturated; and

wherein the volume of the first polymeric coating is between 0.1% and 200% of the volume of the core particle.

54. (New) A pharmaceutical preparation for sustained-release of an active pharmaceutical ingredient after parenteral administration comprising:

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a multiplicity of coated microparticles, said coated microparticles having a mean dimension of less than 1mm and comprising

- (a) core particles comprising said active pharmaceutical ingredient; and
- (b) a first polymeric coating on said core particles formed from a first polymer forming solution;

wherein said active pharmaceutical ingredient forms a saturated solution within said coated microparticles after said administration;

wherein said first polymeric coating is permeable to said active pharmaceutical ingredient during a sustained-release period from administration of said microparticles until the concentration of said active pharmaceutical ingredient contained within said microparticles is unsaturated; and

wherein the sustained-release period is at least five days.